

## **IRRIGATION**

Irrigation sector under province's medium term development framework covers the programs and projects relating to the irrigation, drainage, groundwater, flood management & mitigation, development of small dams, sub sectors.

### **SECTOR OVERVIEW**

Irrigated agriculture is the major determinant of economic growth potential of the province as it accounts for 26 percent of the GDP and caters for over 40 percent of the province's work force. Over 90 percent of agricultural output in Punjab comes from farmlands irrigated by one of the largest contiguous irrigation systems in the world. The colossal irrigation conveyance network is serving 21 million acres (8.4 million hectare) cultivable command area with cropping intensities generally exceeding 120 percent. The vast irrigation system in the province, however, faces major irrigation and drainage challenges with serious economic, environmental and social implications. Hydraulic infrastructure has deteriorated and large deficits in (O&M) maintenance have led to sub-optimal service delivery levels characterized by low water conveyance efficiencies and inequitable water deliveries. Replacement cost for Punjab Irrigation infrastructure including barrages and conveyance network is estimated as Rs. 1600 billion whereas estimated cost for rehabilitation and deferred maintenance need is Rs. 170 billion. Consequently, development in the sector needs to enshrine rehabilitation, improvement and modernization of infrastructure coupled with holistic reforms aiming at integrity and sustainability of the system through improved management and service delivery levels.

### **ISSUES**

Key issues of Punjab's irrigation sector are:-

- (i) Growing water shortages, which are further worsened in periods of drought.
- (ii) The irrigation and drainage infrastructure has deteriorated overtime due to a combination of age, chronic under-funding of maintenance and repair (M&R), and lack of appropriate asset management planning.

- (iii) Gaps in meeting financial sustainability of the system owing to low recovery of *abiana* and inefficient operational regimes.
- (iv) Non-transparent water entitlements and distribution.
- (v) Lack of participatory approach in operations, maintenance and management of irrigation services leading to inefficiencies, inequities and lack of ownership by users.
- (vi) Imprudent and inefficient utilization and management of groundwater.

## **VISION**

Long term vision for Punjab Irrigation Sector is to provide adequate, equitable and reliable irrigation supplies to the cultivable lands of the Punjab aiming at enhanced agricultural productivity with focus on broad based institutional reforms.

## **POLICY**

The broad-based policy for irrigation sector is structured as under:

- equitable and transparent water entitlements and distribution,
- harvesting rain fall water and providing it to barani areas by constructing new small dams.
- reduce water logging and salinity by improving drainage system,
- reduce irrigation water conveyance losses by lining the distributories,
- efficient utilization and management of groundwater,
- appropriate asset maintenance and management,
- financial sustainability of the system owing to appropriate recovery of *abiana* and efficient operational regimes,
- enhance physical resilience by providing sustainable risk mitigation measures for better flood management,
- major thrust on completion of on-going schemes/programme, and
- shift from thin to adequate funding for flood management.

## **OBJECTIVES**

- Provide adequate, equitable and reliable irrigation supplies to the cultivable lands,

- Appropriate budget allocation for up-gradation /extension of flood management structures,
- Construction of new dams (small to medium scale) to provide irrigation supplies for barani areas,
- Lining of irrigation channels to ensure irrigation supplies at tail reaches,
- Desilting /remodelling of drains to absorb flood peaks, and
- Upgradation and modernization of irrigation hydraulic structures to absorb flood peaks.

### **STRATEGIES FOR IRRIGATION SECTOR MTFD (2016-19)**

Key strategies underpinning the sector's development outlay under province's MTFD (2016-17 to 2018-19) are to:-

- Implement structural measures for optimal utilization of surface water resources.
- Plan effective utilization of public investments for modernization of irrigation infrastructure
- Develop and practice holistic approaches to optimize surface and groundwater use efficiencies with the aim to maximize agricultural productivity of irrigated lands.
- Mitigate environmental degradation and groundwater mining
- Extend broad-based institutional reforms already initiated in the province to achieve improved service delivery targets.
- Extend and improve drainage, flood protection, hill torrent management and command area development interventions in reverine and rain-fed (barani) areas.

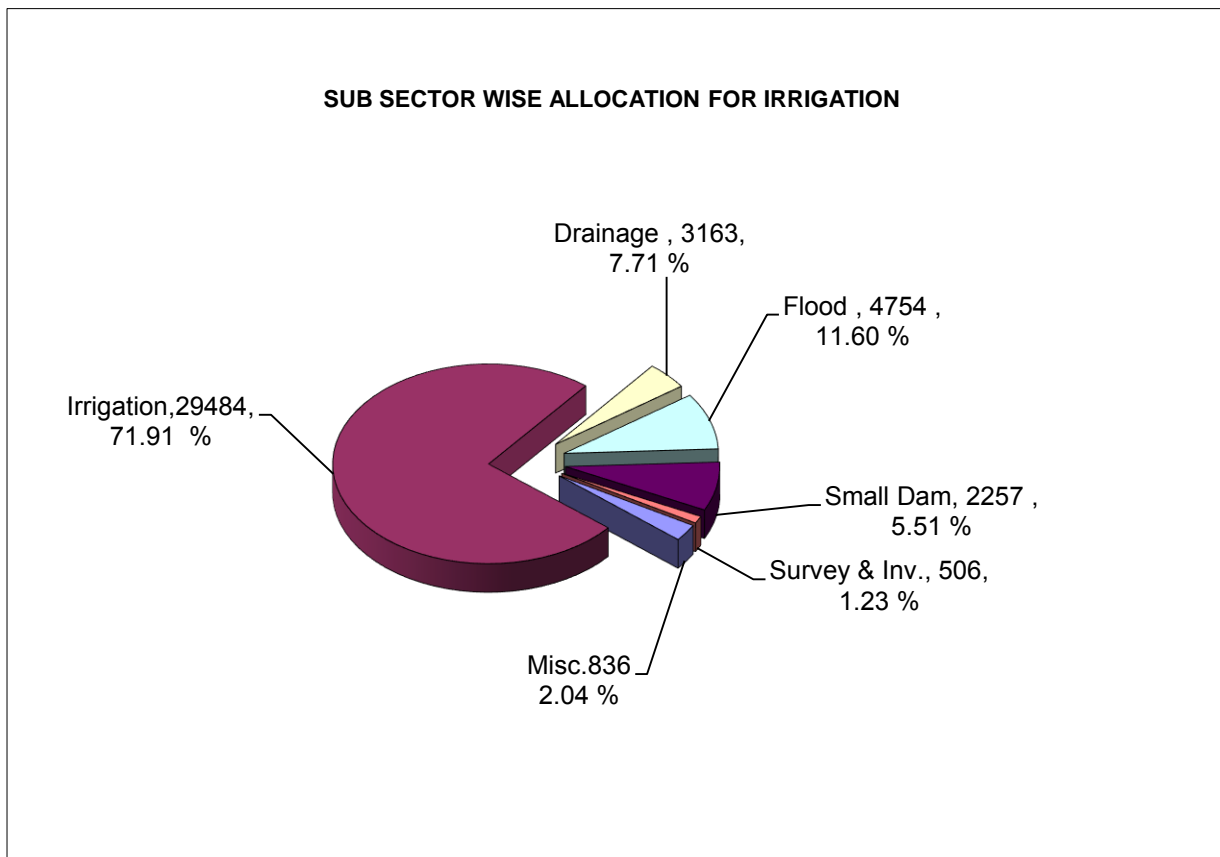
### **STRATEGIC INTERVENTIONS**

- Disaster & Climate Resilience Improvement Project, costing Rs 10,240 million assisted by World Bank to address disasters needs against repeated floods across the province,
- Flood Emergency Reconstruction and Resilience Project, costing

Rs 6,266 million assisted by Asian Development Bank to address disasters needs against repeated floods across the province.

### SALIENT FEATURES OF SECTOR'S MTDF (2016-19)

Irrigation sector's total outlay for the year 2016-17 is planned as Rs.41 billion including Rs.5.000 billion on Khadim e Punjab Kisaan Package. This allocation show 15.9 % increase from ADP 2015-16 and constitute about 7.5 % of the core ADP (2016-17) budget under the MTDF 2016-19. Project outlays for the sector in years 2016-17, 2017-18 and 2018-19 are Rs.41 billion, 44 billion and Rs.48 billion respectively. Out of the total 138 schemes are included in MTDF 2016-17, out of them 81 on-going and 57 new schemes have been targeted for execution during 2016-17 by allocating 79 % of outlay to the on-going and 21 % to new schemes.



## MILESTONE ACHIEVED DURING FY 2015-16

Sub sector	Achievements/ Completed
Selective lining of irrigation channels in the province	300 kms
Rehabilitation and Remodelling of Irrigation channels In Punjab	200 Kms
Rehabilitation of drainage system in the province	150 kms
Channelization Nullah to address disasters needs against repeated floods Flood works	200 kms

## New Initiatives in ADP 2016-17

- Construction of Dadhocha Dam, Costing of Rs.4,000 million
- Management of Flood Protection of Deg Nullah (Chanalization and enhancing capacity of Basantar Nullah), Costing Rs.4,200 million
- Construction of Flood Bund along River Indus from Rakh Bagh Wala to Bait Wagwar Kot Mithan District Rajanpur RD 0-275, Costing Rs.1,200 million
- Construction of Papin Dam (Land Acquisition and command Area Development Punjab Component) Costing Rs.1,220 million
- Rehabilitation of Eastern Sadqia canal for Restoring its Design capacity in reach RD 0-195, Costing Rs.1,155 million
- Channelization of Deg Nullah (Land acquisition, Punjab Component), Costing Rs.1,800 million

## MTDF TARGETS FOR FINANCIAL YEAR 2016-17

Sectoral Initiatives	Targets (FY 2016-17)
Selective lining of irrigation channels	600 km
Lower Bari Doab Canal Improvement Project	Substantial Completion of works
Rehabilitation & Modernization of Jinnah Barrage	Substantial Completion of project
New Khanki Barrage Construction Project	Substantial Completion of civil / mechanical work

Remodelling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon	Launching of preparatory activities for remodelling of structures/canal
Management of Hill Torrents in CRBC area stage III, Vidore. Sori Lund and Kaha in DG Khan Irrigation Zone	Substantial Completion of Civil work
Pakpattan Canal and Sulemanki Barrage Improvement Project.	60% Completion of Civil work
Rehabilitation and up-gradation of Trimmu Barrage, Punjnad Head works	50% Completion of Civil work
Jalapur Irrigation Project	Substantial Completion of Detail Engineering Design
Flood Emergency Reconstruction and Resilience Project (Irrigation Components)	50% Completion of Civil work
Disaster & Climate Resilience Improvement Project (DCRIP)	30% Completion of Civil work
Potohar Climate Smart Irrigated Agriculture Programme	Commencement of study
Management of Flood Protection of Deg Nullah (Chanalization and enhancing capacity of Basantar Nullah)	Substantial Completion of Land Acquisition & start of Civil work
Flood protection of Sialkot against Aik and Phalku Nullah	50% Completion of Civil work
Rehabilitation of Trimmu Sidnai Link Canal	Commencement of Civil works
Greater Thal Canal Project Phase-II (Chobara Branch)	Commencement of Civil works

## TREND OF ALLOCATIONS

(Million Rs)

<b>Year</b>	<b>Original Allocation</b>	<b>Revised Allocation</b>
2010-11	11,005	9,735
2011-12	10,850	10,3091
2012-13	11,250	11,290
2013-14	22,401	23,000
2014-15	35,572	35,000
2015-16	35,370	35,367

**MTDF 2016-19**  
**Irrigation : Summary**  
**Development Programme 2016-17**

(Million Rs.)

Sub-Sector	Capital	Revenue	Total	F. Aid	Total
<b>Ongoing Schemes</b>					
Survey, Investigation & Research	246.000	30.000	276.000	0.000	276.000
Irrigation	4,483.000	0.000	4,483.000	0.000	4,483.000
Drainage	806.000	0.000	806.000	0.000	806.000
Flood Works.	3,191.000	0.000	3,191.000	0.000	3,191.000
Small Dams	1,907.000	0.000	1,907.000	0.000	1,907.000
Buildings	178.000	0.000	178.000	0.000	178.000
Misc. Works	517.000	0.000	517.000	0.000	517.000
Foreign Aided Project.	2,110.000	102.000	2,212.000	18,830.000	21,042.000
<b>Total</b>	<b>13,438.000</b>	<b>132.000</b>	<b>13,570.000</b>	<b>18,830.000</b>	<b>32,400.000</b>
<b>New Schemes</b>					
Survey, Investigation & Research.	230.000	0.000	230.000	0.000	230.000
Irrigation.	868.000	0.000	868.000	0.000	868.000
Drainage	367.583	0.000	367.583	0.000	367.583
Flood Works.	1,583.417	0.000	1,583.417	0.000	1,583.417
Small Dams	350.000	0.000	350.000	0.000	350.000
Buildings	130.000	0.000	130.000	0.000	130.000
Misc. Works	11.000	0.000	11.000	0.000	11.000
Foreign Aided Project.	5.000	0.000	5.000	55.000	60.000
Khadim e Punjab Kisaan Package	5,000.000	0.000	5,000.000	0.000	5,000.000
<b>Total</b>	<b>8,545.000</b>	<b>0.000</b>	<b>8,545.000</b>	<b>55.000</b>	<b>8,600.000</b>
<b>Total (ongoing+new)</b>	<b>21,983.000</b>	<b>132.000</b>	<b>22,115.000</b>	<b>18,885.000</b>	<b>41,000.000</b>

**Development Programme 2017-18**

<b>Ongoing Schemes</b>					
Survey, Investigation & Research.	280.000	25.000	305.000	0.000	305.000
Irrigation.	5,500.000	0.000	5,500.000	0.000	5,500.000
Drainage	890.000	0.000	890.000	0.000	890.000
Flood Works.	4,000.000	0.000	4,000.000	0.000	4,000.000
Small Dams	2,100.000	0.000	2,100.000	0.000	2,100.000
Buildings	250.000	0.000	250.000	0.000	250.000
Misc. Works	571.000	0.000	571.000	0.000	571.000
Foreign Aided Project.	2,200.000	150.000	2,350.000	19,000.000	21,350.000
<b>Total</b>	<b>15,791.000</b>	<b>175.000</b>	<b>15,966.000</b>	<b>19,000.000</b>	<b>34,966.000</b>
<b>New Schemes</b>					
Survey, Investigation & Research.	260.000	30.000	290.000	0.000	290.000
Irrigation.	800.000	0.000	800.000	0.000	800.000
Drainage	300.000	0.000	300.000	0.000	300.000
Flood Works.	1,900.000	0.000	1,900.000	0.000	1,900.000
Small Dams	400.000	0.000	400.000	0.000	400.000
Buildings	150.000	0.000	150.000	0.000	150.000
Misc. Works	20.000	0.000	20.000	0.000	20.000
Foreign Aided Project.	74.000	0.000	74.000	100.000	174.000
Khadim e Punjab Kisaan Package	5,000.000	0.000	5,000.000	0.000	5,000.000
<b>Total</b>	<b>8,904.000</b>	<b>30.000</b>	<b>8,934.000</b>	<b>100.000</b>	<b>9,034.000</b>
<b>Total (ongoing+new)</b>	<b>24,695.000</b>	<b>205.000</b>	<b>24,900.000</b>	<b>19,100.000</b>	<b>44,000.000</b>

**Development Programme 2018-19**

<b>Ongoing Schemes</b>					
Survey, Investigation & Research.	350.000	50.000	400.000	0.000	400.000
Irrigation.	6,500.000	0.000	6,500.000	0.000	6,500.000
Drainage	1,000.000	0.000	1,000.000	0.000	1,000.000
Flood Works.	4,500.000	0.000	4,500.000	0.000	4,500.000
Small Dams	3,000.000	0.000	3,000.000	0.000	3,000.000
Buildings	300.000	0.000	300.000	0.000	300.000
Misc. Works	100.000	0.000	100.000	0.000	100.000
Foreign Aided Project.	2,500.000	0.000	2,500.000	19,000.000	21,500.000
<b>Total</b>	<b>18,250.000</b>	<b>50.000</b>	<b>18,300.000</b>	<b>19,000.000</b>	<b>37,300.000</b>
<b>New Schemes</b>					
Survey, Investigation & Research.	500.000	50.000	550.000	0.000	550.000
Irrigation.	2,000.000	0.000	2,000.000	0.000	2,000.000
Drainage	700.000	0.000	700.000	0.000	700.000
Flood Works.	2,000.000	0.000	2,000.000	0.000	2,000.000
Small Dams	2,000.000	0.000	2,000.000	0.000	2,000.000
Buildings	400.000	0.000	400.000	0.000	400.000
Misc. Works	50.000	0.000	50.000	0.000	50.000
Foreign Aided Project.	1,000.000	0.000	1,000.000	2,000.000	3,000.000
<b>Total</b>	<b>8,650.000</b>	<b>50.000</b>	<b>8,700.000</b>	<b>2,000.000</b>	<b>10,700.000</b>
<b>Total (ongoing+new)</b>	<b>26,900.000</b>	<b>100.000</b>	<b>27,000.000</b>	<b>21,000.000</b>	<b>48,000.000</b>
<b>MTDF 2016-19: Grand Total</b>					<b>133,000.000</b>



## IRRIGATION: SUMMARY

(Million Rs.)

Type / Sub Sector	No. of Schemes	Provision for 2016-17				Projection for 2017-18	Projection for 2018-19
		Capital	Revenue	Foreign Aid	G. Total (Cap+Rev)		
<b><u>ON-GOING SCHEMES</u></b>							
Survey Investigation & Research	8	246.000	30.000	0.000	276.000	283.000	308.067
Irrigation	20	4,483.000	0.000	0.000	4,483.000	9,002.800	6,302.000
Drainage	6	806.000	0.000	0.000	806.000	1,044.000	0.000
Flood Works	21	3,191.000	0.000	0.000	3,191.000	3,675.000	1,856.500
Small Dams	13	1,907.000	0.000	0.000	1,907.000	3,051.671	0.000
Buildings	2	178.000	0.000	0.000	178.000	142.000	0.000
Miscellaneous	2	517.000	0.000	0.000	517.000	693.000	100.000
Foreign Aided Projects	9	2,110.000	102.000	18,830.000	21,042.000	21,787.880	9,750.000
<b>Total: ON-GOING SCHEMES</b>	<b>81</b>	<b>13,438.000</b>	<b>132.000</b>	<b>18,830.000</b>	<b>32,400.000</b>	<b>39,679.351</b>	<b>18,316.567</b>
<b><u>NEW SCHEMES</u></b>							
Survey Investigation & Research	6	230.000	0.000	0.000	230.000	633.000	625.985
Irrigation	15	868.000	0.000	0.000	868.000	2,187.000	1,130.000
Drainage	5	367.583	0.000	0.000	367.583	409.000	315.000
Flood Works	22	1,583.417	0.000	0.000	1,583.417	7,332.583	4,251.000
Small Dams	4	350.000	0.000	0.000	350.000	4,050.000	2,820.000
Buildings	2	130.000	0.000	0.000	130.000	350.000	470.000
Miscellaneous	1	11.000	0.000	0.000	11.000	0.000	0.000
Foreign Aided Projects	1	0.000	5.000	55.000	60.000	100.000	100.000
Khadim e Punjab Kissan Package	1	5,000.000	0.000	0.000	5,000.000	0.000	0.000
<b>Total: NEW SCHEMES</b>	<b>57</b>	<b>8,540.000</b>	<b>5.000</b>	<b>55.000</b>	<b>8,600.000</b>	<b>15,061.583</b>	<b>9,711.985</b>
<b>Total: ADP</b>	<b>138</b>	<b>21,978.000</b>	<b>137.000</b>	<b>18,885.000</b>	<b>41,000.000</b>	<b>54,740.934</b>	<b>28,028.552</b>
<b>Grand Total</b>	<b>138</b>	<b>21,978.000</b>	<b>137.000</b>	<b>18,885.000</b>	<b>41,000.000</b>	<b>54,740.934</b>	<b>28,028.552</b>

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10

## ON-GOING SCHEMES

### Survey Investigation & Research

3777	Feasibility Study of Haveli Main Line 08-12-2014 Jhang	28.872	18.872	10.000	0.000	10.000	0.000	0.000	0.000
3778	Feasibility Study of DG . Khan Canal 08-12-2014 Dera Ghazi Khan , Jampur	23.268	13.268	10.000	0.000	10.000	0.000	0.000	0.000
3779	Study for Groundwater management for developing integrated water use for Policy and Regulatory Framework 15-12-2014 Punjab	49.820	14.820	35.000	0.000	35.000	0.000	0.000	0.000
3780	Establishment of Strategic Planning / Reform Unit in Irrigation and Power Department 26-06-15 Punjab	250.000	112.569	0.000	30.000	30.000	50.000	57.730	0.000
3781	Recharge of Aquifer for Groundwater Management in Punjab. Approved Punjab	580.586	32.249	65.000	0.000	65.000	233.000	250.337	0.000
3782	Strengthening and Up gradation of Field Research Station at Babakwal and Research Laboratories of Irrigation Research Institute, Lahore and Numerical Modeling of Hydraulic Structures 18-12-2014 Lahore, Sheikhpura , Lahore, Ferozwala	203.696	157.696	46.000	0.000	46.000	0.000	0.000	0.000
3783	Feasibility Study of a Pilot Project for Inland Water Way Transport (IWT) in Punjab for the Pilot Reach Between Attock to Daudkhel & Daudkhel to Taunsa. 08-03-2015 Mianwali, Attock , Mianwali Attock	53.000	28.000	25.000	0.000	25.000	0.000	0.000	0.000
3784	Feasibility Study for Remodeling of Upper Jhelum Canal 11-04-2014 Jhelum,Khushab	91.678	36.678	55.000	0.000	55.000	0.000	0.000	0.000
<b>Sub-Total: Survey Investigation &amp; Research</b>		<b>1,280.920</b>	<b>414.152</b>	<b>246.000</b>	<b>30.000</b>	<b>276.000</b>	<b>283.000</b>	<b>308.067</b>	<b>0.000</b>

### Irrigation

3785	Lining of Mian Singh Minor 02-09-2015 Gujranwala	88.281	39.281	49.000	0.000	49.000	0.000	0.000	0.000
3786	Rehabilitation of Muridke Distributary System. 03-06-2015 Sheikhpura , Muridke	749.252	274.252	200.000	0.000	200.000	275.000	0.000	0.000
3787	Rehabilitation of BRBD Link Canal RD 178+000 to 260+000 08-08-2009 Sheikhpura , Ferozwala	418.000	295.000	27.000	0.000	27.000	96.000	0.000	0.000
3788	Construction of Mian Janda Minor, Chak 177/P to Kartar Pura, District Nankana Sahib 27-11-2015 Nankana Sahib , Shahkot	279.000	25.000	100.000	0.000	100.000	154.000	0.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3789	Remodeling of 3 No. Aqueducts along B.S.Link Canal 18-12-2014 Kasur , Pattoki	432.405	224.405	108.000	0.000	108.000	100.000	0.000	0.000
3790	Lining of Sohag Disty RD 24000-72900 Tail 02-09-2015 Pakpattan	121.320	14.320	107.000	0.000	107.000	0.000	0.000	0.000
3791	Lining of Noor Pur Disty RD 0-107037 02-09-2015 Pakpattan	67.399	14.399	53.000	0.000	53.000	0.000	0.000	0.000
3792	Remodeling of SMB Link Canal and Enhancing Capacity of Mailsi Syphon 25-02-2015 Vehari , Mailsi	4,800.629	499.629	350.000	0.000	350.000	2,000.000	1,951.000	0.000
3793	Rehabilitation of Bahishty Disty with System 08-12-2014 Dera Ghazi Khan	335.613	204.613	131.000	0.000	131.000	0.000	0.000	0.000
3794	Lining of Noor Wah Distributory. 02-09-2015 Dera Ghazi Khan	54.650	39.650	15.000	0.000	15.000	0.000	0.000	0.000
3795	Lining of Lal Distributory. 02-09-2015 Dera Ghazi Khan	42.159	4.159	38.000	0.000	38.000	0.000	0.000	0.000
3796	Concrete Lining of Maggi Magassom Link RD.0-58500 18-12-2014 Muzaffargarh , Kot Addu	434.798	229.798	105.000	0.000	105.000	100.000	0.000	0.000
3797	Rehabilitation of Jatoi Branch RD 0+000 – 140+000 (Tail) 08-12-2014 Muzaffargarh	426.589	134.589	100.000	0.000	100.000	192.000	0.000	0.000
3798	Rehabilitation of Ahmadpur Branch System 08-12-2014 Bahawalpur , Ahmadpur Sharqia and Liaqat pur	1,762.158	359.158	150.000	0.000	150.000	600.000	653.000	0.000
3799	Rehabilitation of Ahmadpur Lamma disty System 18-12-2014 Rahim Yar Khan , Sadiqabad, Rahim Yar Khan	937.958	94.958	100.000	0.000	100.000	300.000	443.000	0.000
3800	Selective Lining of Irrigation Channels in Punjab Phase-III 20-06-2015 Punjab	3,500.000	1,308.000	1,000.000	0.000	1,000.000	1,192.000	0.000	0.000
3801	Rehabilitation/Lining of Sharqpur Disty & System. 18-12-2014 Sheikhpura, Nankana Sahib	853.399	399.399	150.000	0.000	150.000	304.000	0.000	0.000
3802	Greater Thal Canal Project Phase-II (Chobara Branch) 05-01-2016 Mianwali, Khushab, Bhakkar, Layyah	6,261.701	561.701	700.000	0.000	700.000	2,300.000	2,700.000	0.000
3803	Land Acquisition for jalapur Irrigation Project 05-01-2016 Jhelum , Khushab , Pind Daden Khan, Khushab	2,988.800	1,799.000	600.000	0.000	600.000	589.800	0.000	0.000
3804	Rehabilitation of Trimmu Sidhnai Link Canal. 20-10-2015 Jhang, Toba Tek Singh	2,455.000	700.000	400.000	0.000	400.000	800.000	555.000	0.000
<b>Sub-Total: Irrigation</b>		<b>27,009.111</b>	<b>7,221.311</b>	<b>4,483.000</b>	<b>0.000</b>	<b>4,483.000</b>	<b>9,002.800</b>	<b>6,302.000</b>	<b>0.000</b>

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
<b>Drainage</b>									
3805	Construction of Side Drain (6Km) Along M.R.Link from RD 296+000 to 314+000 having Capacity of 3000 Cusecs. 21-05-2014 Narowal	296.148	207.148	89.000	0.000	89.000	0.000	0.000	0.000
3806	Enhancing Capacity of Charar Drain to Cater for Rain Water of Ring Road (Revised). 27-11-2014 Lahore	506.734	279.734	127.000	0.000	127.000	100.000	0.000	0.000
3807	Remodeling and Extension of Tayyab Drain 27-08-2014 Rajanpur	1,422.812	599.812	250.000	0.000	250.000	573.000	0.000	0.000
3808	Rehabilitation of Drainage System in District Bahawalnagar 08-12-2014 Bahawalnagar , Bahawalnagar, Chishtian, Haroonabad	599.176	190.176	150.000	0.000	150.000	259.000	0.000	0.000
3809	Providing Drainage System within Command Area of 3-R Abasia Canal. Approved Rahim Yar Khan , Liaqat pur	754.530	659.530	95.000	0.000	95.000	0.000	0.000	0.000
3810	Reclamation of Agriculture Land Effected due to Water Logging in Bahawalpur Zone. Approved Rahim Yar Khan, Bahawalpur, Bahawalnagar , Khanpur, Ahmad pur, Bahawalpur, Haroonabad	212.000	5.000	95.000	0.000	95.000	112.000	0.000	0.000
<b>Sub-Total: Drainage</b>		<b>3,791.400</b>	<b>1,941.400</b>	<b>806.000</b>	<b>0.000</b>	<b>806.000</b>	<b>1,044.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Flood Works</b>									
3811	Construction of Flood Bund to Project Agricultural Land and Village abadi to Bhimber along left bank of Nullah Banuhan in district Jhelum 16-03-2016 Jhelum	71.682	24.682	47.000	0.000	47.000	0.000	0.000	0.000
3812	Protection of Abadies and Infrastructure from Devastation of Chachali Nullah Tehsil Isa Khel District Mianwali 07-10-2015 Mianwali , Isa Khel	303.835	26.835	137.000	0.000	137.000	140.000	0.000	0.000
3813	Channelization of Nullah Broach Tehsil Isa Khel District Mianwali 07-10-2015 Mianwali , Isa Khel	505.512	27.512	228.000	0.000	228.000	250.000	0.000	0.000
3814	Protection of Bhakhar Flood Bund from erosive action between RD 0+000 to 76+000 to save the Abadies, Agricultural land & other infrastructure of Bhakhar City 05-12-2014 Bhakkar	892.218	349.218	200.000	0.000	200.000	343.000	0.000	0.000
3815	Flood Protection Bund Basti Darbar Hazrat Sultan Bahoo 04-02-2016 Jhang , Ahmad pur Sial	215.884	136.884	79.000	0.000	79.000	0.000	0.000	0.000
3816	Providing River Training Works over river Ravi due to construction of Mal Fatyana Bridge. 07-10-2015 Toba Tek Singh	425.620	149.620	276.000	0.000	276.000	0.000	0.000	0.000
3817	Channelization of nallah Bhimber, Gujrat Approved Gujrat , Kharian , Gujrat	400.000	60.000	140.000	0.000	140.000	200.000	0.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3818	Channelization of Aik Nullah and Improving Drainage System in Distt Sialkot 16-03-2015 Sialkot	727.460	565.460	162.000	0.000	162.000	0.000	0.000	0.000
3819	Flood protection of Sialkot against Aik, Bhed, and Palkhu nullah 10-06-2015 Sialkot	3,974.525	1,149.525	400.000	0.000	400.000	1,200.000	1,225.000	0.000
3820	Construction of Flood Protection Works along Rayya Flood Bund at RD 32+000 to Protect village Daud Khas district Narowal 15-09-2015 Narowal	397.480	349.480	48.000	0.000	48.000	0.000	0.000	0.000
3821	Construction of Flood protection works to protect BRBD Link Canal from RD 285+300 to 300+000/L against erosion of the River Ravi 05-12-2014 Lahore , Cantt.	404.411	243.411	65.000	0.000	65.000	96.000	0.000	0.000
3822	Enhancing Capacity of Nullah Bhed and Laila Drain in District Sheikhpura 26-05-2015 Sheikhpura , Murridke, Sheikhpura	696.122	439.122	105.000	0.000	105.000	152.000	0.000	0.000
3823	Construction of Mole head Spur for protection of Nawan Kot Village and Other Infrastructure. 15-09-2015 Sheikhpura	199.088	69.088	10.000	0.000	10.000	120.000	0.000	0.000
3824	Flood protection of Kamoki and adjoining areas 02-09-15 Sheikhpura , Kamoke	2,174.936	1,466.936	234.000	0.000	234.000	474.000	0.000	0.000
3825	Construction of Nutkani Flood Carrying Channel RD 0+000 - 21+000 in District Dera Ghazi Khan. 23-10-2014 Dera Ghazi Khan	652.367	459.367	193.000	0.000	193.000	0.000	0.000	0.000
3826	Construction of Spur at Basti Rindan 04-02-2016 Dera Ghazi Khan , Kot Chotta	790.130	444.130	146.000	0.000	146.000	200.000	0.000	0.000
3827	Management of Hill Torrent / Flood Protection of Rajanpur District 10-06-2015 Rajanpur	167.000	10.000	157.000	0.000	157.000	0.000	0.000	0.000
3828	Raising and strengthening of Sanawan Flood Bund RD 0+000 42+000 and Embankment along T.P.Link Canal RD 6+700 to 18+500 02-05-2014 Muzaffargarh , Kot Adu	259.000	145.000	114.000	0.000	114.000	0.000	0.000	0.000
3829	Construction of Flood Embankments and Protection Works along left and right Bank of River Indus for bridge near Miranpur Linkage N-5 at Arbi Tibba with Rahimyar Khan Islamabad Approved Rahim Yar Khan , Sadiqabad	603.849	498.849	60.000	0.000	60.000	0.000	0.000	0.000
3830	Management of Hill Torrents in DG Khan Irrigation Zone Sori Lund, Vidore, Mithawan, Kaha and Chachar(Sori Lund Hill Torrents) 08-12-2014 Dera Ghazi Khan,Rajanpur	2,035.000	653.500	250.000	0.000	250.000	500.000	631.500	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3831	Desilting and Strengthening Banks of Drains, Construction of Flood Bund Along Drains and Closing / Strengthening Breaches Along Nullahs Distts Narowal, Gujranwala & Sheikhpura 03-06-2015 Narowal, Gujranwala, Sheikhpura , Narowal, Muridke, Kamoki	613.501	473.501	140.000	0.000	140.000	0.000	0.000	0.000
<b>Sub-Total: Flood Works</b>		<b>16,509.620</b>	<b>7,742.120</b>	<b>3,191.000</b>	<b>0.000</b>	<b>3,191.000</b>	<b>3,675.000</b>	<b>1,856.500</b>	<b>0.000</b>
<b>Small Dams</b>									
3832	Construction of Chahan Dam Project 20-05-2013 Rawalpindi	1,567.430	1,165.430	302.000	0.000	302.000	304.000	0.000	0.000
3833	Construction of Mohata Dam 09-12-2014 Rawalpindi , Kahuta	1,787.416	884.416	250.000	0.000	250.000	653.000	0.000	0.000
3834	Construction of Sowrra Dam Project in District Attock 24-10-2014 Attock , Pindi Gheb	915.075	776.075	139.000	0.000	139.000	0.000	0.000	0.000
3835	Rehabilitation and Raising of Qibla Bandi Dam. 24-10-2014 Attock , Hazro	324.896	177.896	147.000	0.000	147.000	0.000	0.000	0.000
3836	Raising of Shahpur Dam Approved Attock , Fateh Jhang	246.836	135.836	111.000	0.000	111.000	0.000	0.000	0.000
3837	Construction of Small Dams in District Attock Phase-II Shahbazpur, Tajabara and Sadrial Dams (Revised) 19-11-2007 Attock , Feth Jhang	1,168.580	453.340	100.000	0.000	100.000	615.000	0.000	0.000
3838	Construction of Arrar Mughlan Dam in District Chakwal 14-06-3 Chakwal	829.375	684.375	145.000	0.000	145.000	0.000	0.000	0.000
3839	Construction of Tamman Dam 16-10-2014 Chakwal , Talagang	1,542.014	855.014	224.000	0.000	224.000	463.000	0.000	0.000
3840	Construction of Small Dams in District Chakwal Phase-II (Dhok Hum, Mundi Dam, Dhok Jhang and Uthwal / Lakhwal Dam) (Revised) 19-3-2010 Chakwal , Chakwal.	1,496.080	996.080	100.000	0.000	100.000	400.000	0.000	0.000
3841	Construction of Dhrabi and Minwal Dam (Revised) 15-8-2005 Chakwal , Chakwal.	981.365	478.694	100.000	0.000	100.000	402.671	0.000	0.000
3842	Construction of Ghabir Dam ( Land acquisition and command area Development Punjab Component) 11-09-2015 Chakwal , Talagang	700.500	436.500	50.000	0.000	50.000	214.000	0.000	0.000
3843	Construction of Pindori Dam 20-05-2013 Jhelum , Dina	655.020	519.020	136.000	0.000	136.000	0.000	0.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3844	Rehabilitation and Improvement of Existing Dams and Irrigation Channels in Small Dams Organization 19-08-2014 Rawalpindi, Jhelum, Chakwal, Attock, Rawalpindi, Gujjar Khan Jhelum, Chakwal, Attock, Hazro	732.017	529.017	103.000	0.000	103.000	0.000	0.000	0.000
<b>Sub-Total: Small Dams</b>		<b>12,946.604</b>	<b>8,091.693</b>	<b>1,907.000</b>	<b>0.000</b>	<b>1,907.000</b>	<b>3,051.671</b>	<b>0.000</b>	<b>0.000</b>
<b>Buildings</b>									
3845	Improvement of basic Facilities in Small Dams Organization (security arrangements, Construction of Offices / Residencies etc) 18-09-2015 Attock, Fateh Jang	321.137	79.137	100.000	0.000	100.000	142.000	0.000	0.000
3846	Construction of Alternate Buildings at Depalpur District Okara (Khanwah canal Division Depalpur). 08-12-2015 Okara	134.855	56.855	78.000	0.000	78.000	0.000	0.000	0.000
<b>Sub-Total: Buildings</b>		<b>455.992</b>	<b>135.992</b>	<b>178.000</b>	<b>0.000</b>	<b>178.000</b>	<b>142.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Miscellaneous</b>									
3847	Security arrangements for key points (Barrages, Dams and all the important sites) 21-10-2014 Punjab	180.482	163.482	17.000	0.000	17.000	0.000	0.000	0.000
3848	Augmentation of earth moving machinery in irrigation department Punjab 07-10-2015 Punjab	1,592.205	499.205	500.000	0.000	500.000	693.000	100.000	0.000
<b>Sub-Total: Miscellaneous</b>		<b>1,772.687</b>	<b>662.687</b>	<b>517.000</b>	<b>0.000</b>	<b>517.000</b>	<b>693.000</b>	<b>100.000</b>	<b>0.000</b>
<b>Foreign Aided Projects</b>									
3849	Punjab Barrages Improvement Phase-II Project (PBIP-II) - Jinnah Barrage 09-12-2010 Mianwali	14,855.990	12,295.990	1,650.000	0.000	1,650.000	0.000	0.000	0.000
			Local: 150.000	0.000					
			Foreign: 1,500.000	0.000					
3850	Rehabilitation and up gradation of Trimmu Barrage, Punjnad Head Works Sulemanki 03-07-2014 Jhang	16,800.000	1,100.000	3,450.000	0.000	3,450.000	6,000.000	6,250.000	0.000
			Local: 450.000	0.000					
			Foreign: 3,000.000	0.000					
3851	New Khanki Barrage Construction Project 03-09-2009 Gujranwala, Wazirabad	23,442.000	14,393.000	4,500.000	0.000	4,500.000	4,549.000	0.000	0.000
			Local: 500.000	0.000					
			Foreign: 4,000.000	0.000					
3852	Pakpattan canal and sulemanki Barrage Improvement Project (PCSBIP) 28-08-2013 Pakpattan	7,829.187	3,283.183	2,875.000	0.000	2,875.000	1,671.004	0.000	0.000
			Local: 375.000	0.000					
			Foreign: 2,500.000	0.000					
3853	Project Preparation of Punjab Irrigated Agriculture Improvement Programme (PIAIP) PC-II. 03-12-13 Punjab	1,037.000	885.000	0.000	132.000	132.000	0.000	0.000	0.000
			Local: 0.000	2.000					
			Foreign: 0.000	130.000					
3854	Flood Emergency Reconstruction and Resilience Project (Irrigation Components) 09-07-15 Punjab	6,662.711	612.711	2,180.000	0.000	2,180.000	3,870.000	0.000	0.000
			Local: 180.000	0.000					
			Foreign: 2,000.000	0.000					

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3855	Disaster & Climate Resilience Improvement Project (DCRIP) 09-07-15 Punjab	9,151.000	151.000	2,000.000	0.000	2,000.000	3,500.000	3,500.000	0.000
			Local:	0.000	0.000				
			Foreign:	2,000.000	0.000				
3856	Lower Bari Doab Canal Improvement Project (PC-I). 07-03-07 Okara,Kasur,Sahiwal,Khanewal	29,832.490	17,558.490	3,925.000	100.000	4,025.000	2,000.000	0.000	0.000
			Local:	425.000	100.000				
			Foreign:	3,500.000	0.000				
3857	Engineering Design of Jalalpur Irrigation Project. 03-06-2015 Jhehlum, Khushab , Pind Daden Khan, Khushab	497.876	70.000	230.000	0.000	230.000	197.876	0.000	0.000
			Local:	30.000	0.000				
			Foreign:	200.000	0.000				
<b>Sub-Total: Foreign Aided Projects</b>		<b>110,108.254</b>	<b>50,349.374</b>	<b>20,810.000</b>	<b>232.000</b>	<b>21,042.000</b>	<b>21,787.880</b>	<b>9,750.000</b>	<b>0.000</b>
<b>Total: ON-GOING SCHEMES</b>		<b>173,874.588</b>	<b>76,558.729</b>	<b>32,138.000</b>	<b>262.000</b>	<b>32,400.000</b>	<b>39,679.351</b>	<b>18,316.567</b>	<b>0.000</b>

## NEW SCHEMES

### Survey Investigation & Research

3858	Feasibility study for construction of Kas Umar Khan Canal System (PC-II) Un-Approved Mianwali , Isakhel	20.000	0.000	20.000	0.000	20.000	0.000	0.000	0.000
3859	Using Seepage of River Ravi to Meet With Drinking Water Needs of Lahore City. Un-Approved Lahore	15.000	0.000	15.000	0.000	15.000	0.000	0.000	0.000
3860	Clearance of Liabilities of the Consultants (Cherah Dam project and feasibility study of Lahore Lake, Ravi Syphone, Mailsi Syphone) Un-Approved Lahore	8.000	0.000	8.000	0.000	8.000	0.000	0.000	0.000
3861	Study on Aquifer in Punjab at Sub Basin Level to determine Options for Maintaining Water Budget Un-Approved Punjab	20.000	0.000	20.000	0.000	20.000	0.000	0.000	0.000
3862	Establishment of Design Office For Small Dams at Islamabad & Upgradation of Central Design office / Project Preparation Un-Approved Punjab	150.000	0.000	50.000	0.000	50.000	50.000	50.000	0.000
3863	Hiring of Consultancy Services for Monitoring of Projects under Provincial Development Program. 28-10-2015 Punjab	1,275.985	0.000	117.000	0.000	117.000	583.000	575.985	0.000
<b>Sub-Total: Survey Investigation &amp; Research</b>		<b>1,488.985</b>	<b>0.000</b>	<b>230.000</b>	<b>0.000</b>	<b>230.000</b>	<b>633.000</b>	<b>625.985</b>	<b>0.000</b>

### Irrigation

3864	Rehabilitation of BRBD from RD 0+000 to RD 50+000 including flood inlets. Un-Approved Sialkot , Daska	200.000	0.000	80.000	0.000	80.000	120.000	0.000	0.000
3865	Lining of Faizpur minor Un-Approved Sheikhpura , Faizpur	45.000	0.000	45.000	0.000	45.000	0.000	0.000	0.000



# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3866	Conversion of Lift Irrigation to gravity flow on new Kasur Minor ( R ) RD 0+000 to 21+120 Tail Un-Approved Kasur	90.000	0.000	90.000	0.000	90.000	0.000	0.000	0.000
3867	Construction of V.R Bridge at RD 1136+150 of Suknai Drain (old River Suk Bayas Un-Approved Okara , Depalpur	6.000	0.000	6.000	0.000	6.000	0.000	0.000	0.000
3868	Lining of Malkan Hans minor Disty from RD 0+ 000 to 56+110 Tail. Un-Approved Pakpatan	141.000	0.000	25.000	0.000	25.000	116.000	0.000	0.000
3869	Rehabilitation of Hafiz Waah Minoir of Mouza Nauraja Bhutta at tehsil Jalal pur Pir wala of District Multan. Un-Approved Multan	40.000	0.000	40.000	0.000	40.000	0.000	0.000	0.000
3870	Concrete lining of Tajwana & Hussainwah Minors in Union Council Dad kamera District Vehari Un-Approved Vehari	16.000	0.000	16.000	0.000	16.000	0.000	0.000	0.000
3871	Countruction of Pile Foundtion Bridge over D.G.Khan along with Approaches in K.M No. 2 D.G Khan City to Vadoor Road Distrct D.G.Khan Un-Approved Dera Ghazi Khan	12.000	0.000	12.000	0.000	12.000	0.000	0.000	0.000
3872	Rehabilitation of Dajal Branch from RD 0 to 190+000 Un-Approved Rajanpur	200.000	0.000	50.000	0.000	50.000	150.000	0.000	0.000
3873	Rehabilitation and lining of Adil wah disty and its system. Un-Approved Muzaffargarh	480.000	0.000	125.000	0.000	125.000	155.000	200.000	0.000
3874	Land Acquisition for Construction of Rubber Dam on River Sutlej near Bahawalpur Un-Approved Bahawalpur , Lodhran & Bahawalpur	500.000	0.000	100.000	0.000	100.000	400.000	0.000	0.000
3875	Rehabilitation of Eastern Sadiqia canal for Restoring its Design capacity in reach RD 0-195 Un-Approved Bahawalnagar , Minchenabad & Bahawalnager	1,155.000	0.000	90.000	0.000	90.000	510.000	555.000	0.000
3876	Rehabilitation of 6R/Hakra with system Un-Approved Bahawalnagar , Fortabbas	300.000	0.000	64.000	0.000	64.000	236.000	0.000	0.000
3877	Rehabilitation of 7R/Hakra with system Un-Approved Bahawalnagar , Fortabbas	250.000	0.000	50.000	0.000	50.000	200.000	0.000	0.000
3878	Rehabilitation of Degi Distributory with System Un-Approved Rahim Yar Khan , Sadiqabad	750.000	0.000	75.000	0.000	75.000	300.000	375.000	0.000
<b>Sub-Total: Irrigation</b>		<b>4,185.000</b>	<b>0.000</b>	<b>868.000</b>	<b>0.000</b>	<b>868.000</b>	<b>2,187.000</b>	<b>1,130.000</b>	<b>0.000</b>
<b>Drainage</b>									
3879	Construction of 12 No. Bridges on drains in Sargodah district Un-Approved Jhang	114.000	0.000	50.000	0.000	50.000	64.000	0.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3880	Request for Countruction of Saim Nallah Thathi Langar Abbas Pur and Thathi Rehmo, Tesil 18-Hazari, Distict Jhang Un-Approved Jhang	11.000	0.000	11.000	0.000	11.000	0.000	0.000	0.000
3881	Improvement of Drainage System in Tehsil Nowshera Virkan Un-Approved Gujranwala , Nowshare Virkan	174.000	0.000	74.000	0.000	74.000	100.000	0.000	0.000
3882	Enhancing capacity of Sheikhpura Drain RD 0+000 - 91.000 Un-Approved Sheikhpura	660.000	0.000	100.000	0.000	100.000	245.000	315.000	0.000
3883	Land Acquisition charges for construction of Kappar Drain RD 0+000 to RD 94+500 Un-Approved Dera Ghazi Khan	133.000	0.000	132.583	0.000	132.583	0.000	0.000	0.000
<b>Sub-Total: Drainage</b>		<b>1,092.000</b>	<b>0.000</b>	<b>367.583</b>	<b>0.000</b>	<b>367.583</b>	<b>409.000</b>	<b>315.000</b>	<b>0.000</b>
<b>Flood Works</b>									
3884	Protection of Adyala Village from the Erosive Action of Soan River, District Rawalpindi Un-Approved Rawalpindi	104.000	0.000	25.000	0.000	25.000	79.000	0.000	0.000
3885	Restoration of J-Head Spur No. 3 on Indus between Dhingana and Doaba Un-Approved Mianwali , Piplan	300.000	0.000	100.000	0.000	100.000	200.000	0.000	0.000
3886	Channelization of Jabba Nullah Tehsil & District Mianwali Un-Approved Mianwali	500.000	0.000	50.000	0.000	50.000	450.000	0.000	0.000
3887	Remodeling of Pindi Bhattian Flood Protection Bund from RD 18+000 to 74+650 Un-Approved Hafizabad , Pindi Bhattian	80.000	0.000	80.000	0.000	80.000	0.000	0.000	0.000
3888	Providing Flood Protection along Left Bank of Chenab River Downstream Qadirabad Barrage Un-Approved Hafizabad	650.000	0.000	50.000	0.000	50.000	300.000	300.000	0.000
3889	Providing Flood Protection along Right Bank of Chenab River Downstream Qadirabad Barrage. Un-Approved Mandi Bahauddin , Phalia	650.000	0.000	50.000	0.000	50.000	300.000	300.000	0.000
3890	Management of Flood Protection of Deg Nullah (Channelization and enhancing capacity of Basantar Nullah) Un-Approved Sialkot	4,200.000	0.000	140.000	0.000	140.000	2,000.000	2,060.000	0.000
3891	Protection of Aurangabad village by Excavating cunnett & Constructing Gunda Bund to Change the Main River Course at River Ravi. Un-Approved Sahiwal	50.000	0.000	50.000	0.000	50.000	0.000	0.000	0.000
3892	Construction of Guide Spur near Ameerpur/ Sheikh Tayyab at River Ravi Un-Approved Sahiwal , Chichawatni	100.000	0.000	50.000	0.000	50.000	50.000	0.000	0.000
3893	Tying up of Fazil Shah Flood Bund with Shujabad Branch (Second Defence Line). (Shujabad) Un-Approved Khanewal , Kabirwala	65.000	0.000	65.000	0.000	65.000	0.000	0.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3894	Remodeling / Restoration of Ghulam Wah flood embankment from RD 3+240 to 45+689 tail Un-Approved Vehari , Burewala	65.000	0.000	65.000	0.000	65.000	0.000	0.000	0.000
3895	Construction of J-Head Spur at RD 40+000 and RD 53+000 D/S Ghazi Ghat Flood Bund Un-Approved Dera Ghazi Khan	595.000	0.000	100.000	0.000	100.000	495.000	0.000	0.000
3896	Construction of Flood Bund along River Indus from Rakh Bagh Wala to Bait Wagwar Kot Mithan District Rajanpur RD 0-275 Un-Approved Rajanpur	1,200.000	0.000	100.000	0.000	100.000	1,100.000	0.000	0.000
3897	Protecting 1-AR Minor, Area of Lundi Pitafi and Bait Daryai from Hectic Erosive Action of River Indus. Un-Approved Muzaffargarh , Jatoi	340.000	0.000	100.000	0.000	100.000	240.000	0.000	0.000
3898	Protection of Chandar Bhan Flood Bund RD 55+000 to 67+000, Alipur District Muzaffargarh Un-Approved Muzaffargarh	500.000	0.000	50.000	0.000	50.000	200.000	250.000	0.000
3899	Construction of J-Head Spur in Mouza Pirhar Gharbi Un-Approved Muzaffargarh , Kot Adu	280.000	0.000	100.000	0.000	100.000	180.000	0.000	0.000
3900	Protecting Shehr Sultan flood bund at RD 20+000 to RD 32+000 from erosive action of river Chenab to save the abadies Mouza Bindah Ishaq and Faizpur. Un-Approved Muzaffargarh , Alipur	528.000	0.000	50.000	0.000	50.000	230.000	248.000	0.000
3901	Construction of J-Head Spur in Mouza Khar Gharbi Un-Approved Muzaffargarh , Kot Adu	267.000	0.000	76.000	0.000	76.000	191.000	0.000	0.000
3902	Construction of Head Regulator on Lala Creek at RD 115+000 edge of F-North Bund District Layyah Un-Approved Layyah	493.000	0.000	50.000	0.000	50.000	250.000	193.000	0.000
3903	Raising / Strengthening Shahwala Groyne according to its design parameters Un-Approved Layyah	150.000	0.000	100.000	0.000	100.000	50.000	0.000	0.000
3904	Protection of public infra- structure in the vicinity of Moza Mongar, Tehsil Karor Lal Hussain District Layyah Un-Approved Layyah , Karor Lal Hussain	250.000	0.000	32.417	0.000	32.417	217.583	0.000	0.000
3905	Channelization of Deg Nullah (Land Acquisition, Punjab component) Un-Approved Punjab	1,800.000	0.000	100.000	0.000	100.000	800.000	900.000	0.000
<b>Sub-Total: Flood Works</b>		<b>13,167.000</b>	<b>0.000</b>	<b>1,583.417</b>	<b>0.000</b>	<b>1,583.417</b>	<b>7,332.583</b>	<b>4,251.000</b>	<b>0.000</b>
<b>Small Dams</b>									
3906	Construction of Dadhocha Dam Un-Approved Rawalpindi	4,000.000	0.000	100.000	0.000	100.000	2,000.000	1,900.000	0.000
3907	Construction of Papin Dam (Land Acquisition and command Area Development Punjab Component) Un-Approved Rawalpindi	1,220.000	0.000	100.000	0.000	100.000	600.000	520.000	0.000

# IRRIGATION

(Million Rs.)

GS No	Scheme Information Approval Date / Location	Est. Cost	Accum. Exp June,16	Provision for 2016-17			MTDF Projections		Throw fwd Beyond June, 2019
				Cap	Rev	G. Total (Cap+Rev)	2017-18	2018-19	
1	2	3	4	5	6	7	8	9	10
3908	Construction of Carry over dams near Manga and Angori sites for Augmentation of storage capacity of Rawal Dam Un-Approved Islamabad	1,500.000	0.000	100.000	0.000	100.000	1,000.000	400.000	0.000
3909	Potohar Climate Smart Irrigated Agriculture Programme Un-Approved Chakwal, Jhelum. Rawalpindi, Attock, , Chakwal, Jhelum. Rawalpindi, Attock, Jand, Fatehjang, Talagang, Sohawa, Gujar Khan, pindigheb	500.000	0.000	50.000	0.000	50.000	450.000	0.000	0.000
<b>Sub-Total: Small Dams</b>		<b>7,220.000</b>	<b>0.000</b>	<b>350.000</b>	<b>0.000</b>	<b>350.000</b>	<b>4,050.000</b>	<b>2,820.000</b>	<b>0.000</b>
<b>Buildings</b>									
3910	Re-construction of Office Building Complex of SE Mianwali and rehabilitation of Sargodhah Zonal Office Un-Approved Mianwali	100.000	0.000	30.000	0.000	30.000	50.000	20.000	0.000
3911	Construction of New Campus of Government Engineering Academy Punjab. Approved Lahore	850.000	0.000	100.000	0.000	100.000	300.000	450.000	0.000
<b>Sub-Total: Buildings</b>		<b>950.000</b>	<b>0.000</b>	<b>130.000</b>	<b>0.000</b>	<b>130.000</b>	<b>350.000</b>	<b>470.000</b>	<b>0.000</b>
<b>Miscellaneous</b>									
3912	Providing elevator and hygienic drinking water in Irrigation Secretariat for staff and visitors. Un-Approved Lahore	11.000	0.000	11.000	0.000	11.000	0.000	0.000	0.000
<b>Sub-Total: Miscellaneous</b>		<b>11.000</b>	<b>0.000</b>	<b>11.000</b>	<b>0.000</b>	<b>11.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Foreign Aided Projects</b>									
3913	Capacity Development Technical Assistance for Institutional Transformation Un-Approved Punjab	260.000	0.000	0.000	60.000	60.000	100.000	100.000	0.000
				Local:	0.000	5.000			
				Foreign:	0.000	55.000			
<b>Sub-Total: Foreign Aided Projects</b>		<b>260.000</b>	<b>0.000</b>	<b>0.000</b>	<b>60.000</b>	<b>60.000</b>	<b>100.000</b>	<b>100.000</b>	<b>0.000</b>
<b>Khadim e Punjab Kissan Package</b>									
3914	Khadim e Punjab Kissan Package Un-Approved Punjab	5,000.000	0.000	5,000.000	0.000	5,000.000	0.000	0.000	0.000
<b>Sub-Total: Khadim e Punjab Kissan Package</b>		<b>5,000.000</b>	<b>0.000</b>	<b>5,000.000</b>	<b>0.000</b>	<b>5,000.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Total: NEW SCHEMES</b>		<b>33,373.985</b>	<b>0.000</b>	<b>8,540.000</b>	<b>60.000</b>	<b>8,600.000</b>	<b>15,061.583</b>	<b>9,711.985</b>	<b>0.000</b>
<b>Total: ADP</b>		<b>207,248.573</b>	<b>76,558.729</b>	<b>40,678.000</b>	<b>322.000</b>	<b>41,000.000</b>	<b>54,740.934</b>	<b>28,028.552</b>	<b>0.000</b>
<b>Grand Total</b>		<b>207,248.573</b>	<b>76,558.729</b>	<b>40,678.000</b>	<b>322.000</b>	<b>41,000.000</b>	<b>54,740.934</b>	<b>28,028.552</b>	<b>0.000</b>